

# Spatial Reasoning

## Fold and Punch

### What do I do?

A square is folded and then holes are punched, shown below. Find the image of the square after it has been unfolded.

### Top Tips!

- Use the fold line as a mirror line - focus on reflecting the punch marks.
- Try to imagine the paper being unfolded and where the punch marks would be for each step.
- To begin with, grab a square piece of paper and punch the holes in - copying what has been done for each question. This will help you to visualise the paper for future questions.
- Eliminate answers which are definitely incorrect first and focus on the choices you have remaining.

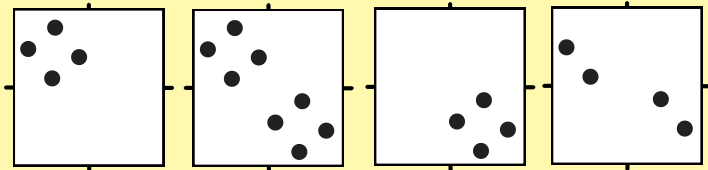
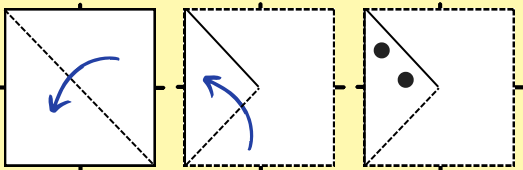
### What skills do I need to improve?

Doing lots of practice questions will help with becoming familiar with question types but what else can you do to improve in this area?

- Create your own questions by using paper and a hole punch. Test your family and friends by folding your paper and punching it.
- It's always useful to take a look at other spatial reasoning topics alongside your revision for this one such as: fold along the line, cubes and nets and hidden shape.
- Work on other questions in maths and NVR that involve reflection.

## Practice Questions

1.



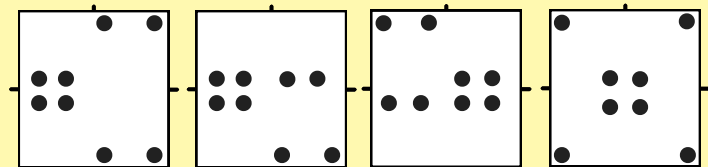
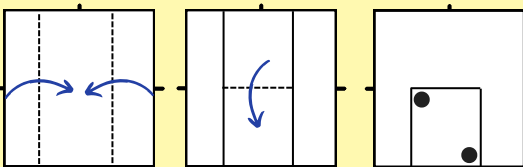
A

B

C

D

2.



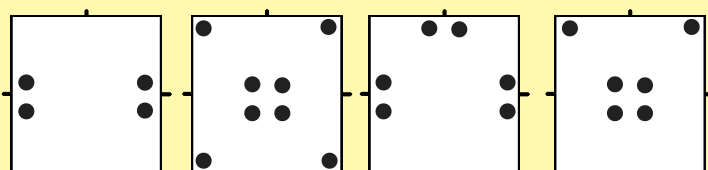
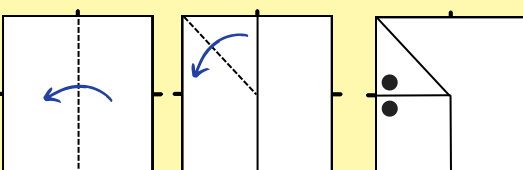
A

B

C

D

3.



A

B

C

D

# Non-Verbal Reasoning

## Fold and Punch

### Answers

1. **B**
2. **A**
3. **C**

